

1438050006 -- 12021A  
Mapleton / Sherex Chem  
RTE 24 ESDA 892225  
LUST / Tech Report

**BODINE** ENVIRONMENTAL SERVICES INC.

R.R. #2 • Box 35  
Decatur, Illinois 62521

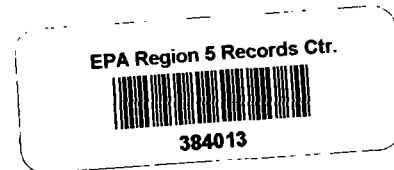
(217) 428-4381

(217) 864-2614

Proj. MSR.  
Jim Ketchum  
Division File

December 27, 1989

Mr. Stephen A. Colantino  
Illinois Environmental Protection Agency  
Division of Land Pollution Control  
Remedial Project Management Section  
Leaking Underground Storage Tank Unit  
2200 Churchill Road  
Post Office Box 19276  
Springfield, Illinois 62794-9276



Dear Steve:

RE: CORRECTIVE ACTION REPORT (CAR)  
ESDA INCIDENT #892225  
SHEREX CHEMICAL COMPANY  
MAPLETON, ILLINOIS

RECEIVED  
DEC 28 1989

On November 3, 1989 Bodine Environmental Services, Inc. (BES) removed two (2) underground storage tanks from the aforementioned Sherex Chemical Company. The facility had 1 - 1,000 gallon UST used for storing gasoline and 1 - 1,000 gallon UST used for storing diesel fuel. Prior to removal, the UST's were pumped "dry" and filled with approximately 100 pounds of dry ice (CO<sub>2</sub>) in each UST to displace hydrocarbon vapors inside of the UST's. The UST's were lifted from the excavation zone using a backhoe and placed on a semi lowboy trailer. They were transported to BES property where they were aerated, powerwashed, and sent to a scrap dealer for reclamation.

While removing the UST's a small amount of contamination was found in the granular backfill near the top of the excavation zone adjacent to the fillports. It is believed that this contamination was due to years of overfilling the UST's. We believe that this site would be classified as a minor site according to the IEPA LUST Site Classification System. The UST's did not show evidence of corrosion, punctures, holes, etc. that would cause them to leak.

Mr. Stephen A. Colantino  
December 27, 1989  
Page 2

The area was excavated by removing all of the backfill material from the excavation zone and overexcavated by removing a 3-foot section (the approximate width of a bucket on a Cat 215 backhoe) on all four walls of the excavation zone. The floor of the excavation zone was also overexcavated by removing native soil approximately 2-feet below the bottom of the excavation zone.

The soil from the four walls and the bottom of the excavation zone was monitored using a photoionization device (PID). The PID read 0.0 ppm for all four walls and the bottom of the excavation zone and did not indicate the presence of hydrocarbon vapors in any of the soil. Composite soil samples of native soil below each tank were collected and sent to DTC Laboratories in Springfield, Illinois where they were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX). Attached is a copy of the analytical report which shows that the concentration of BTEX in the soil is below the detection limit.

Don Newman of the Illinois Office of the State Fire Marshal (OSFM) witnessed the PID readings and collection of the samples.

It should be noted that groundwater, rainwater or free product were not encountered during removal of the UST's or excavation of the backfill material. It should also be noted that the removal of the UST's, environmental sampling, and site remediation were all performed in accordance with the Illinois Environmental Protection Agency's "Guidance Manual for LUST Cleanups in Illinois". Subsurface structures such as sewers, basements, and underground utilities were not found in the excavation zone.

The stockpiled LUST soil was covered by polyethylene sheeting until waste stream authorization for disposal of the LUST soil could be obtained.

On November 17, 1989 the LUST soil was approved for disposal at Tazwell County Landfill (IEPA facility code #1798060002) on a generic basis using waste stream authorization #070035.

Mr. Stephen A. Colantino  
December 27, 1989  
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On December 8, 1989, N.E. Finch Company (Illinois transporter identification #1291) transported 6 truckloads totaling 84 cubic yards to Tazwell County Landfill for disposal. The following manifest numbers were used to transport the LUST soil:

IL3290261  
IL3290263  
IL3290265

IL3290262  
IL3290264  
IL3290266

A representative sample from each load of LUST soil was tested on-site by Randolph & Associates for ignitability and paint filter. The analytical report accompanied each respective load along with the manifest. Illinois manifest document numbers are printed on the analytical report to match the load they represent. Copies of the analytical report are attached.

Questions concerning this CAR may be directed to the undersigned.

Very truly yours,

BODINE ENVIRONMENTAL SERVICES, INC.



R. Tyler Besalke  
Project Engineer

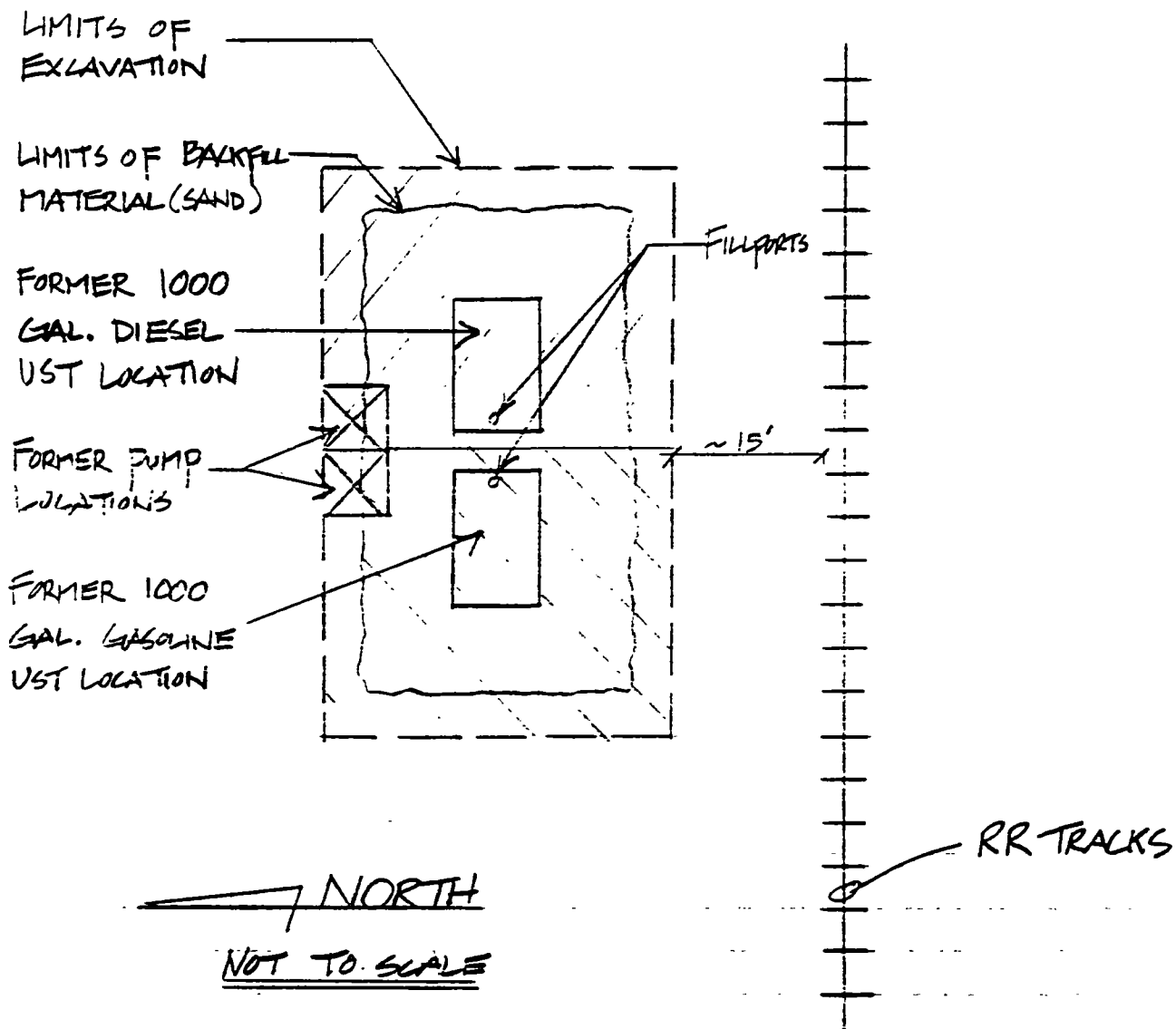
RTE/amf

cc: Serin Rao. Sherex Chemical Co.

BODINE ENVIRONMENTAL SERVICES, INC.  
R.R. 2, Box 35  
DECATUR, ILLINOIS 62521

Calc. by \_\_\_\_\_  
From RTB Date \_\_\_\_\_  
Check by \_\_\_\_\_  
To \_\_\_\_\_ Date \_\_\_\_\_

PROJECT SHEREX CHEMICAL CO. Job No. 100155 Sheet \_\_\_\_\_ of \_\_\_\_\_  
ESDA INCIDENT # 892225



//// - COMPOSITE SAMPLE AREA FOR DIESEL UST

//// - COMPOSITE SAMPLE AREA FOR GASOLINE UST



# DTC Laboratories, Inc.

An Environmental Testing and Consulting Service Company

400 EAST SIBLEY BLVD.  
HARVEY, ILLINOIS 60426  
(708) 210-3500

4590 INDUSTRIAL DRIVE  
SPRINGFIELD, ILLINOIS 62703  
(217) 529-9191

## ANALYTICAL REPORT

CLIENT: Bodine/Sherex Chemicals  
DATE RECEIVED: 11-08-89  
SAMPLE DESCRIPTION: 2' Below Diesel Tank Backfill  
LAB NO.: 3407-89  
REPORT DATE: 11-08-89

### ITEM

Benzene  
Toluene  
Xylenes, Total  
Ethylbenzene

### RESULT

\*BDL  
BDL  
BDL  
BDL

\* BDL = < 0.01 ug/g (PPM)

The sample has been prepared and tested in accordance with SW-846  
Procedure (USEPA) Method 5030 and 8240.

*Gerald O. Mack* (WKS)

Gerald O. Mack  
Chief Scientist



# DTC Laboratories, Inc.

An Environmental Testing and Consulting Service Company

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HARVEY, ILLINOIS 60426  
(708) 210-3500

4590 INDUSTRIAL DRIVE  
SPRINGFIELD, ILLINOIS 62703  
(217) 529-9191

## ANALYTICAL REPORT

CLIENT: Bodine/Sherex Chemicals  
DATE RECEIVED: 11-08-89  
SAMPLE DESCRIPTION: 2' Below Gasoline Tank Backfill  
LAB NO.: 3406-89  
REPORT DATE: 11-09-89

### ITEM

Benzene  
Toluene  
Xylenes, Total  
Ethylbenzene

### RESULT

\* BDL  
BDL  
BDL  
BDL

\* BDL = < 0.01 ug/g (PPM)

The sample has been prepared and tested in accordance with SW-846 Procedure (USEPA) Method 5030 and 8240.

*Gerald O. Mack* (WHS)

Gerald O. Mack  
Chief Scientist



**Randolph & Associates, Inc.**

8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589  
TELEPHONE 309-692-4422

TO: Bodine Environmental Services

REPORT DATE: 12-9-99

P.O. #2 P.O. Box 35

DATE REC'D: 12-9-99

Decatur, IL 62521

PROJECT NO.: 2-0724.001.02

ATTN: Mr. Tuler Belsake

PAGE 1 OF 8

RAI SAMPLE  
SAMPLE DATE

891208-01  
12-8-89

Facility: Sherex Chemical Company  
Highway 24  
Mapleton, IL 61547

IL Manifest Document #

IL3290261

Ignitability of

> 212

Passed Paint Filter Test?

Yes

Time Run:

9:00 am

Signature:

Sharon Jackson

imr/L:1

An IEPA Contract Laboratory

Disclaimer: Liability to Randolph & Associates, Inc. not to exceed cost of analysis.

ARCHITECTURAL

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ENVIRONMENTAL

LABORATORY

MECHANICAL

STRUCTURAL

SURVEYING

TRANSPORTATION



**Randolph & Associates, Inc.**

8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589  
TELEPHONE 309-692-4422

TO: Bodine Environmental Services

R.R. #2, PO Box 35

Decatur, IL 62521

ATTN: Mr. Tuler Belsake

REPORT DATE: 12-8-89

DATE REC'D: 12-8-89

PROJECT NO.: 2-0724.001.02

PAGE 2 OF 8

RAI SAMPLE  
SAMPLE DATE

891208-02  
12-8-89

Facility: Sherex Chemical Company  
Highway 24  
Mapleton, IL 61547

IL Manifest Document #

IL3290262

Ignitability of

7212

Passed Paint Filter Test?

yes

Time Run:

9:00 am

Signature:

Francis Jacobs

imr/L:1

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**Randolph & Associates, Inc.**

8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589  
TELEPHONE 309-692-4422

TO: Bodine Environmental Services

REPORT DATE: 12-8-89

R.R. #2 / PO Box 35

DATE REC'D: 12-8-89

Decatur, IL 62521

PROJECT NO.: 2-0724.001.02

ATTN: Mr. Tyler Belsake

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=====

RAI SAMPLE  
SAMPLE DATE

891208-03  
12-8-89

Facility: Sherex Chemical Company  
Highway 24  
Mapleton, IL 61547

IL Manifest Document #

IL3290263

Ignitability of

2212

Passed Paint Filter Test?

Yes

Time Run: 10:55 a.m.

Signature: Frances Jacobs

imr/L:1

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**Randolph & Associates, Inc.**

8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589  
TELEPHONE 309-692-4422

TO: Bodine Environmental Services

REPORT DATE: 12-8-89

P.R. #2 / PO Box 35

DATE REC'D: 12-8-89

Decatur, IL 62521

PROJECT NO.: 2-0724.001.02

ATTN: Mr. Tyler Belsake

PAGE 4 OF 8

RAI SAMPLE  
SAMPLE DATE

891208-04  
12-8-89

Facility: Sherex Chemical Company  
Highway 24  
Mapleton, IL 61547

IL Manifest Document #

IL3290264

Ignitability, of

7212

Passed Paint Filter Test?

yes

Time Run: 11:00 am

Signature: Frances Jacobs

jmr/L:1

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**Randolph & Associates, Inc.**

8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589  
TELEPHONE 309-692-4422

TO: Bodine Environmental Services

REPORT DATE: 12-8-89

R.R. #2 / PO Box 35

DATE REC'D: 12-8-89

Decatur, IL 62521

PROJECT NO.: 2-0724.001.02

ATTN: Mr. Tuler Belsake

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RAI SAMPLE  
SAMPLE DATE

891208-05  
12-8-89

Facility: Sherex Chemical Company  
Highway 24  
Mapleton, IL 61547

IL Manifest Document #

IL3290265

Ignitability, of

> 212

Passed Paint Filter Test?

yes

Time Run: 11:25 am

Signature: Frances Jacobs

jmr/L:1

**An IEPA Contract Laboratory**

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**Randolph & Associates, Inc.**

8901 NORTH INDUSTRIAL ROAD, PEORIA, ILLINOIS 61615-1589  
TELEPHONE 309-692-4422

TO: Bodine Environmental Services

R.R. #2 / PO Box 35

Decatur, IL 62521

REPORT DATE: 12-8-89

DATE REC'D: 12-9-89

PROJECT NO.: 2-0724.001.02

ATTN: Mr. Tyler Belsake

PAGE 6 OF 8

RAI SAMPLE  
SAMPLE DATE

891208-06  
12-8-89

Facility: Sherex Chemical Company  
Highway 24  
Mapleton, IL 61547

IL Manifest Document #

IL3290266

Ignitability, of

>212

Passed Paint Filter Test?

Yes

Time Run: 11:30 am

Signature: Frances Jacobs

jmr/L:1

**An IEPA Contract Laboratory**

Disclaimer: Liability to Randolph & Associates, Inc. not to exceed cost of analysis.

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LABORATORY

MECHANICAL

STRUCTURAL

SURVEYING

TRANSPORTATION



217/782-6761

Refer to: 1438050006--Peoria  
Mapleton/Sherex Chemical Co.  
ESDA Incident #892225  
LUST/Tech Report

March 28, 1991

Sherex Chemical Company  
Attn: Serin Rao  
Route 24  
Mapleton, IL 61547

Dear Mr. Rao:

The Illinois EPA has reviewed the December 27, 1989 report that Bodine Environmental Services, Inc., submitted on your behalf. Based on information contained in the report, further remediation does not appear necessary in regard to the above-referenced incident.

Should you have any questions, please contact Jim Ketchum of my staff at 217/782-6761.

Sincerely,

Angela Aye Tin, Manager  
State Sites Unit  
Leaking Underground Storage Tank Section  
Division of Land Pollution Control

AAT:JK:pss  
*JK*

cc: Peoria Region  
Division File  
Jim Ketchum  
Tyler Besalke